## **EAST Search History**

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L12	1	(*6586747").PN.	US-PGPUB; USPAT	OR	OFF	2011/01/13 08:59
L13	1	12 and (align\$5 with window)	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/13 08:59
S1	10	(("4800060") or ("4945251") or ("5586153") or ("5917874") or ("20010040223") or ("6359952") or ("6586747") or ("20050084055") or ("6917044") or ("20050201504")).PN.	US-PGPUB; USPAT	OR	OFF	2011/01/10 14:50
S2	1	("20080023645").PN.	US-PGPUB; USPAT	OR	OFF	2011/01/10 14:50
S3	1	BE-1011263-\$.did.	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 06:32
S4	2	(("5917874") or ("2001040223") or ("4800060")).PN.	US-PGPUB; USPAT	OR	OFF	2011/01/11 07:04
S5	3	(("5917874") or ("20010040223") or ("4800060")).PN.	US-PGPUB; USPAT	OR	OFF	2011/01/11 07:04
S6	1	WO-02101757-\$.did.	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 07:04

S7	0	S5 and S6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 07:04
S8	4	\$5 \$6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 07:05
S9	4	((JEAN-CLAUDE) near2 (AMELIA)).INV.	US-PGPUB; USPAT	OR	ON	2011/01/11 07:10
S10	1	((MICHEL) near2 (GHYOOT)).INV.	US-PGPUB; USPAT	OR	ON	2011/01/11 07:10
S11	4	S9 S10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 07:11
S12	5495	((250/428,429,432R,433,492.1,493.1,496.1) or (376/194,195,245,156)).CCLS.	US-PGPUB; USPAT	OR	OFF	2011/01/11 07:15
S13	8	S12 and (insert near4 (part piece) near4 (cavity chamber enclosure))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 07:16
S14	99426	(radioisotop\$3 radio?sotop\$3 radionuclide radio?nuclide ((radioactive radio?active) adj isotop\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 07:17

S15	4	S14 and (insert near4 (part piece) near4 (cavity chamber enclosure))	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 07:17
S16	377	S14 and (insert near4 (cavity chamber enclosure))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 07:18
S17	6	S16 and (cool\$4 with insert)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 07:19
S18	200	S14 and (irradiation adj cell)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 07:27
S19	4	S18 and (insert\$4 with niobium)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 07:28
S20	4	S18 and (niobium)	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 07:28

S21	6	S16 and (irradiation adj cell)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 07:28
S22	111602	niobium	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 07:31
S23	262	S22 and (irradiat\$4 near2 cell)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 07:31
S24	3	\$23 and (insert with (chamber cavity enclosure) with irradiat \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 07:31
S25	3	S22 and (insert with (chamber cavity enclosure) with irradiat \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 07:31
S26	439	(insert with niobium)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 07:32

S27	49	\$26 and (cool\$4 with insert)	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 07:32
S28	1083	(two?part (two adj part)) near2 insert	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 07:36
S29	156	\$28 and (insert near4 (cavity chamber enclosure))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 07:36
S30	17	\$29 and (cool\$4 with insert)	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 07:36
S31	3	S14 and (two?part (two adj (piece part))) near2 insert	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 07:38
S32	6	("4800060").URPN.	USPAT	OR	ON	2011/01/11 07:43

S33	5878	(radioisotop\$3 radio?sotop\$3 radionuclide radio?nuclide ((radioactive radio?active) adj isotop\$4)) with target	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 07:44
S34	70	S33 and (cool\$4 near4 (insert cavity chamber enclosure))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 07:45
S35	27	S34 and window	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 07:45
S36	17	("20030007588"   "20030010619"   "20080023645"   "5280505"   "5425063"   "5586153"   "5917874"   "6187274"   "6275284"   "6289071"   "6359952"   "6433495"   "6483118"   "6567492"   "6586747"   "6845137"   "7512206").PN. OR ("7831009").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/11 07:46
S37	8	("4201917"   "4767333"   "5019323"   "5280505"   "5371372"   "5393908").PN. OR ("6586747").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/11 07:47
S38	24	("2868987"   "3664921"   "4157471"   "4444717"   "4752432"   "5037602"   "5135704"   "5280505"   "5345477"   "5392319"   "5468355").PN. OR ("5586153").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/11 07:49
S39	30	\$37 \$38	US-PGPUB; USPAT; USOCR	OR	ON	2011/01/11 07:49
S40	1951	(radioisotop\$3 radio?sotop\$3 radionuclide radio?nuclide ((radioactive radio?active) adj isotop\$4)) with irradiat\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 07:53

S41	97	S22 and S40	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 07:53
\$42	6183	(radioisotop\$3 radio?isotop\$3 radionudide radio?nuclide ((radioactive radio?active) adj isotop\$4)) with (synthesis generat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 08:21
S43	1079	S42 and window	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 08:21
344	463	S43 and insert	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 08:21
\$45	1	S44 and (cool\$4 with insert)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/11 08:21
S46	4	(("6567492") or ("3349001") or ("7200198") or ("6917044")). PN.	US-PGPUB; USPAT	OR	OFF	2011/01/11 08:40
S54	1	(*6586747").PN.	US-PGPUB; USPAT	OR	OFF	2011/01/12 12:02

S55	1160	(replac\$6 with niobium)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR .	ON	2011/01/12 12:14
S56	2	(replac\$6 with niobium with insert)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/12 12:14
S57	99426	((radioisotop\$3 radio?sotop\$3 radionuclide radio?nuclide (((radioactive radio?active) adj isotop\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/12 12:15
S58	1372	\$57 and niobium	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/12 12:16
S59	111	S58 and (inert with niobium)	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/12 12:16
S60	33244	(insert with replac\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR .	ON	2011/01/12 12:19

S61	4871	SSO and (insert with metal\$4)	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/12 12:19
S62	94	S81 and niobium	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/12 12:19
S63	266	water with cool\$4 with niobium	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/12 12:38
S64	5	S63 and (target with beam)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/12 12:38
S65	29	(target near2 (chamber cavity endosure)) with niobium	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/12 12:44
S66	81	insert near3 niobium	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	CR	ON	2011/01/12 12:51

S67	3	S57 and S66	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/12 12:51
S68	7322	(insert with (two?part (two adj (part piece))))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/12 12:58
S69	520	(insert with metal\$4 with (two?part (two adj (part piece))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/12 12:58
S70	131	(insert near4 metal\$4 near4 (two?part (two adj (part piece))))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/12 12:58
S71	2	S89 and niobium	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR .	ON	2011/01/12 12:59
S72	25	S88 and niobium	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/12 12:59

S73	729	(concetric nested) near3 insert	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/12 13:00
S74	0	((concetric nested) near3 insert) with (cool\$4 with water)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/12 13:01
S75	5	((concetric nested) near3 insert) with (cool\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/12 13:01
S76	116	((concetric nested) near3 insert) and (cool\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/12 13:02
S77	36	((concetric nested) near3 insert) and (cool\$4 with water)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/12 13:03
S78	5	((concentric nested) near2 insert) and (niobium)	US-PGPUB; USPAT; USOCR; FPRS; EPC; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/13 06:38

S79	0	((concentric nested) near2 insert) with cool	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DEFWENT; IBM_TDB	OR	ON	2011/01/13 06:42
S80	14	((concentric nested) near2 insert) with cool\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DEFWENT; IBM_TDB	OR	ON	2011/01/13 06:42
S81	193	((cylindric\$5) near2 insert) with cool\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/13 06:44
S82	1	S81 and niobium	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/13 06:44
S83	1095	((cylindric\$5) near2 insert) with metal\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/13 06:45
S84	25	\$81 and \$83	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/13 06:45

S85	141	insert near4 niobium	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/13 06:47
S86	3	((concentric nested cylindric\$4) near2 insert) and 585	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/13 06:47
S87	621	(niobium near2 tube)	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/13 06:52
S88	111	(niobium near2 tube) with insert	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/13 06:52
S89	2	\$87 and (radioisotop\$3 radio?sotop\$3 radionuclide radio? nuclide ((radioactive radio?active) adj isotop\$4))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/13 06:55
S90	1374	niobium and (radioisotop\$3 radio?isotop\$3 radionuclide radio? nuclide ((radioactive radio?active) adj isotop\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/13 06:56

S91	39	\$90 and (insert\$4) near3 (cylinder cylindric\$4 tube coaxial co? axial concentric\$4 nested)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/13 06:57
S92	22	(production generat\$4) near4 (radioisotop\$3 radio?isotop\$3 radionuclide radio?nuclide ((radioactive radio?active) adjisotop\$4)) near4 irradiation near4 target	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/13 07:01
S93	2	two?part near2 metallic near2 insert	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/13 07:46
S94	12	(insert near4 bolt) and niobium	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/13 07:50
S95	44	niobium and bolt and (radioisotop\$3 radio?isotop\$3 radionuclide radio?nuclide ((radioactive radio?active) adjisotop\$4))	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/13 07:51
S96	366	seal\$4 near4 (different near2 metal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/13 08:01

S97	265	insert near4 (different near2 metal)	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/13 08:01
S98	2	S96 and S97	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/01/13 08:02
S99	17	("20030007588"   "20030010619"   "20080023645"   "5280505"   "5425063"   "5586153"   "5917874"   "6187274"   "6275284"   "6289071"   "6359952"   "6433495"   "6483118"   "6567492"   "6586747"   "6845137"   "7512206").PN. OR ("7831009").URPN.	,,	OR	ON	2011/01/13 08:03

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S47	0	((JEAN-CLAUDE) near2 (AMELIA)).INV.	USPAT; UPAD	OR	ON	2011/01/11 08:49
S48	0	((MICHEL) near2 (GHYCOT)).INV.	USPAT; UPAD	OR	ON	2011/01/11 08:49
S49	16	((250/428,429,432R,433,492.1,493.1,496.1) or (376/194,195,245,156)).OCLS.	UPAD	OR	OFF	2011/01/11 08:49
S50	2265	(radioisotop\$3 radio?sotop\$3 radionuclide radio?nuclide ((radioactive radio?active) adj isotop\$4)) with target	USPAT; UPAD	OR	ON	2011/01/11 08:50
S51	31	\$50 and (cool\$4 near4 (insert cavity chamber enclosure))	USPAT; UPAD	OR	ON	2011/01/11 08:50
S52	721	(radioisotop\$3 radio?sotop\$3 radionuclide radio?nuclide ((radioactive radio?active) adj isotop\$4)) with irradiat\$4	USPAT; UPAD	OR	ON	2011/01/11 08:53

S53	16	S52 and (cool\$4 near4 (insert cavity chamber enclosure))	USPAT;	OR	ON	2011/01/11
			UPAD			08:53

## 1/13/2011 10:03:51 AM

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